

Electromotive Drive, especially for the Pump of a Power-Assisted Steering System of a Motor Vehicle.

Abstract

The invention relates to an electromotive drive, especially for the pump of a power-assisted steering system of a motor vehicle. Said drive comprises a housing (3) with a bearing journal (15) in which the shaft (18) of a rotor (9) is rotationally mounted. The drive also comprises a stator (7) having drive windings. The bearing journal (15) extends through said stator and supports it. The stator (7) is supported by the bearing journal (15), substantially in the transversal direction only. The stator (7) is coupled with the remaining housing (3) in a rotationally fixed manner, so as to transmit the engine torque. The inventive design provides a means for dramatically reducing disturbing noises which occur especially when the motor is operated at full load and which are caused by relatively high-frequency torque variations.

Principal drawing is Fig. 2

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